

I International Symposium on Pecans and Other *Carya* in Indigenous and Managed Systems

Program

Wed., July 17, 2013	8:30 am-11:30 pm	Pre-conference tour of the Texas A&M University Pecan Orchard and United States Department of Agriculture-Agriculture Research Service Pecan Breeding and Genetics station (in partnership with Texas Pecan Growers Association)
	11:30 pm-1:00 pm	Lunch (included in pre-conference tour)
	2:30 pm-5:00 pm	Registration open (AgriLife Center) & poster setup
	3:00 pm-4:45 pm	Crop Germplasm Committee Meeting, AgriLife Center Conference Room
	6:00 pm-8:00 pm	Welcome Social (AgriLife Center)
	8:00 am-9:00 am	Registration & poster setup
Thursday, July 18, 2013	9:00 am-9:30 am	Welcome and Opening Remarks Mark Hussey, Texas A&M University, Vice-Chancellor and Dean, College of Agriculture & Life Sciences Dan Upchurch, USDA Agricultural Research Service Southern Plains Area, Area Director Kim Hummer, International Society of Horticultural Sciences Vice-President/Scientific Coordinator
	9:30 am-10:15 am	Keynote Presentation: "Science, Horticulture and Natural and Managed Hickory (Agro)Ecosystems" - Marvin Harris, Professor Emeritus, Texas A&M University
	10:15 am-10:35 am	Break
	Session I: Biology and Physiology Moderator: W. Reid	
	10:40 am-11:00 am	"Phenology of early ripening in pecan" - <u>W. Reid</u>
	11:00 am-11:20 am	"Preharvest germination of pecan fruit" - <u>B. Wood</u>
	11:20 am-11:40 am	"Flowering morphological characteristics, pollen viability and stigma receptivity of Chinese-grown pecan (<i>Carya illinoiensis</i>)" - <u>R. Zhang</u> , F.G. Peng, Y.W. Liang, M.Z. Hao, and Y.R. Li
	11:40 am-12:00 pm	"The Auburn University pecan cultivar evaluation program" - <u>B. Goff</u>
	12:00 pm-12:20 pm	"Pecan production in Argentina, past and present" - <u>E.A. Frusso</u>
	12:30 pm-1:30 pm	Lunch
	Session II: Breeding, Genetics, Genomics Moderator: P. Conner	
	1:30 pm-1:50 pm	"Roadblocks and hindrances to the development of molecular tools in pecan: A breeder's perspective" - <u>P. Conner</u>
	1:50 pm-2:10 pm	"Genetics of pecan flowering" - A. Rascon, M. Zizumbo, J. Sherman, M. Potter, R. Heerema, and <u>J. Randall</u>
	2:10 pm -2:30 pm	"Towards a draft genomic sequence for pecan" - <u>J. Schmutz</u> , J. Jenkins, J. Grimwood J, and L.J. Grauke

	2:30 pm -2:50 pm	"The forest and the trees: Applications for molecular markers in the Repository and Pecan Breeding Program" - <u>L.J. Grauke</u> , R. Klein R, M.A. Grusak, and P. Klein
	2:50 pm-4:20 pm	<p>Break/Poster Session I (Authors available at posters)</p> <ul style="list-style-type: none"> - "Chilling requirement and nut characteristics of a wild pecan [<i>Carya illinoiensis</i> (Wangen) K. Koch] of early maturity" - <u>J. Arreola</u>, N. Curiel, J. Meza, A. Lagarda, and H. Nuñez-Moreno - "Developing molecular marker resources for pecan" - <u>W. Chaney</u>, Y.H. Han, C. Rohla, L.J. Grauke, M.J. Monteros - "Native pecan germplasm in Louisiana" - <u>C. Graham</u> - "Seasonal patterns of root production in pecan seedlings" - <u>P. Graves</u>, H. Hannah, L. Lombardini, and A. Volder - "Soil Zinc Fertilization in One Year Old Potted 'Wichita' Pecan Trees in Alkaline Soil" - <u>H. Nuñez-Moreno</u>, J.L. Walworth, and A.P. Pond - "Zinc deficiency in field-grown pecan trees: Changes in leaf nutrient concentration and structure" - <u>D.L. Ojeda-Barrios</u>, J. Abadia, L. Lombardini, A. Abadia, and S. Vazquez - "The impact of foliar nickel fertilization on urease activity in pecan" - <u>D.L. Ojeda-Barrios</u>, E. Sanchez-Chavez, J.P. Sida Arreola, J. Martinez Tellez, C. Manjarrez Dominguez, T. Ruiz-Anchondo, and M. Guerro-Prieto - "Predicting photosynthetic performance of pecans subjected to water deficit using midday stem water potential" - <u>Y. Othman</u>, R. Heerema, D. VanLeeuwen, and R. St. Hilaire - "Establishment and early development of improved nut-producing hickory cultivars grafted to pecan rootstocks in Missouri, USA" - <u>A. Thomas</u> - "Establishment and early development of 'Kanza', 'Peruque', and other pecan cultivars in northern U.S. growing regions" - <u>A. Thomas</u>, W.R. Reid, and T.J. Sauer - "Pecan pollen: Cryopreservation for long-term storage" - <u>G. Volk</u>, C. Walters, J. Waddell, and L.J. Grauke - "Pecan: viability of a new crop in Uruguay" - V. Varela, V. Takata, G. Camussi, and <u>R. Zoppolo</u>
	4:20 pm-4:30 pm	Group Photo
	4:30 pm-5:30 pm	Break-out session
Friday, July 19 , 2013	Session III: Entomology, Pathology, Sanitary and Phytosanitary Measures Moderator: W. Ree Jr.	
	9:00 am-9:20 am	"Monitoring insect and pest damage in pecan in Arkansas" - <u>B. Cowell</u> , D. Johnson, M.E. Garcia, D. Dickey, and R. Mizell
	9:20 am-9:40 am	"Factors affecting the distribution of aphids on pecan leaf surfaces" - <u>T.E. Cottrell</u> , C.M. Paulsen, and J.R. Ruberson
	9:40 am-10:00 am	"Texas results: Imidacloprid resistance in blackmargined pecan aphids" - <u>W.O. Ree Jr.</u> , J.D. Lopez Jr.
	10:00 am-10:20 am	"Disease distribution and fungicide coverage in pecan trees" - <u>C.H. Bock</u> , M.W. Hotchkiss, T.E. Cottrell, and B.W. Wood
	10:20 am-10:40 am	"Evaluation and comparison of phosphorous acid biofungicides and fertilizer on control of pecan scab" - <u>C. Graham</u>
	10:40 am-11:10 am	Break
	11:10 am-11:30 am	"Managing hazelnut genetic resources under disease threat"- <u>K. Hummer</u> , J.D. Postman, and J. Preece
	11:30 am-11:50 am	"Hot water treatment of pecan scions as a means of phytosanitation to reduce the potential introduction of <i>Xylella fastidiosa</i> , the causal agent of pecan bacterial leaf scorch, into orchards"

	12:00 pm-1:00 pm	and new geographic regions" - <u>R. Melanson</u> and R.S. Sanderlin Lunch
Session IV: Management, Processing and Marketing Moderator: L. Wells		
	1:00 pm-1:20 pm	"A reduced early-season irrigation schedule for pecans in the Southeastern United States" - <u>L. Wells</u>
	1:20 pm-1:40 pm	"Evaluation of growth potential of pecan in Huang-Huai-Hai region of China" - G.Q. Liu, <u>P.J. Zhang</u> , H.Y. Yang, J.J. Liu, H.J. Zhu, J.Y. Sheng, and Y.H. Chen
	1:40 pm-2:00 pm	"Assessment of Arkansas pecan industry to increase the industry's competitiveness and economic and environmental sustainability" - <u>M.E. Garcia</u> , D. Dickey, D.T. Johnson, and B. Cowell
	2:00 pm-2:20 pm	"Technologies for enhancing pecan production and processing" - <u>P. Weckler</u> , C. Jones, T. Bowser, J. Hardin, N. Wang, A. Franzen, S. Mathanker, N. Maness, and M. Smith
	2:20 pm-2:40 pm	"Economic analysis of pecan production in the Southeastern United States using enterprise budget" - <u>E.G. Fonsah</u> , S.N. Awondo, L. Wells, W. Hudson, D. Collins
	2:40 pm-3:40 pm	Break/Poster Session I (Authors available at posters) <ul style="list-style-type: none"> - "Methods to assess pecan scab" - <u>C.H. Bock</u>, T.R. Gottwald, and B.W. Wood - "Cultivating pecan truffles in Georgia" - <u>T. Brenneman</u>, M. Smith, T. Ingram, G. Bonito, and R. Vilgays - "Evaluation of Retain® plant growth regulator on pecan production" - <u>C. Graham</u> - "A degree-day model initiated by pheromone trap captures for managing pecan nut casebearer (Lepidoptera: Pyralidae) in pecans" - A.E. Knutson and <u>M.A. Muegge</u> - "Occurrence of human pathogens in pre-harvest pecan production fields" - S. Dobhal, C. Rohla, G. Zhang, C. Timmons, J. Blanton, <u>M. Smith</u>, and L.M. Ma
	3:40 pm-4:00 pm	Business meeting
	4:30 pm-8:00 pm	Dinner/Entertainment (Washington-on-the-Brazos State Historic Site)
Sat, July 20, 2013	9:00 am-2:00 pm	Post-conference tour to Royalty Pecans Orchard